

## Supplemental Application Data Sheet

### Application Information

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|---------------------------------|---------------------------------------|
| Application number:             | 10/560,537                            |
| Filing Date:                    | February 28, 2007                     |
| Application Type:               | Nonprovisional                        |
| Subject Matter:                 | Utility                               |
| Suggested Classification:       |                                       |
| Suggested Group Art Unit:       |                                       |
| CD-ROM or CD-R:                 |                                       |
| Number of CD Disks:             |                                       |
| Number of copies of CDs:        |                                       |
| Sequence Submission?            |                                       |
| Computer Readable Form (CRF)?   |                                       |
| Number of Copies of CFR:        |                                       |
| Title:                          | VORTEX REACTOR AND METHOD OF USING IT |
| Attorney Docket Number:         | DXPZ-0005 / 03-0494D                  |
| Request for Early Publication:  | No                                    |
| Request for Non-Publication:    | No                                    |
| Suggested Drawing Figure:       | 1                                     |
| Total Drawing Sheets:           | 6                                     |
| Small Entity?:                  | Yes                                   |
| Latin name:                     |                                       |
| Variety denomination name:      |                                       |
| Petition included?:             | No                                    |
| Petition Type:                  |                                       |
| Licensed US Govt. Agency:       |                                       |
| Contract or Grant Numbers:      |                                       |
| Secrecy Order in Parent Appl.?: | No                                    |

**Applicant Information**

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|---|---------------------------|
| <b>Applicant Authority Type:</b>              | Inventor                  |
| <b>Primary Citizenship Country:</b>           | USA                       |
| <b>Status:</b>                                | Full Capacity             |
| <b>Given Name:</b>                            | Alexander                 |
| <b>Middle Name:</b>                           |                           |
| <b>Family Name:</b>                           | FRIDMAN                   |
| <b>Name Suffix:</b>                           |                           |
| <b>City of Residence:</b>                     | Marlton                   |
| <b>State or Province of Residence:</b>        | New Jersey                |
| <b>Country of Residence:</b>                  | USA                       |
| <b>Street of mailing address:</b>             | 36 John James Audubon Way |
| <b>City of mailing address:</b>               | Marlton                   |
| <b>State or Province of mailing address:</b>  | New Jersey                |
| <b>Country of mailing address:</b>            | USA                       |
| <b>Postal or Zip Code of mailing address:</b> | 08053                     |

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| <b>Applicant Authority Type:</b>              | Inventor                   |
| <b>Primary Citizenship Country:</b>           | USA                        |
| <b>Status:</b>                                | Full Capacity              |
| <b>Given Name:</b>                            | Alexander                  |
| <b>Middle Name:</b>                           | F.                         |
| <b>Family Name:</b>                           | GUTSOL                     |
| <b>Name Suffix:</b>                           |                            |
| <b>City of Residence:</b>                     | San Ramon                  |
| <b>State or Province of Residence:</b>        | California                 |
| <b>Country of Residence:</b>                  | USA                        |
| <b>Street of mailing address:</b>             | 2375 Magnolia Bridge Drive |
| <b>City of mailing address:</b>               | San Ramon                  |
| <b>State or Province of mailing address:</b>  | California                 |
| <b>Country of mailing address:</b>            | USA                        |
| <b>Postal or Zip Code of mailing address:</b> | 94582                      |

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| <b>Applicant Authority Type:</b>              | Inventor                  |
| <b>Primary Citizenship Country:</b>           | USA                       |
| <b>Status:</b>                                | Full Capacity             |
| <b>Given Name:</b>                            | Young                     |
| <b>Middle Name:</b>                           | I.                        |
| <b>Family Name:</b>                           | CHO                       |
| <b>Name Suffix:</b>                           |                           |
| <b>City of Residence:</b>                     | Cherry Hill               |
| <b>State or Province of Residence:</b>        | New Jersey                |
| <b>Country of Residence:</b>                  | USA                       |
| <b>Street of mailing address:</b>             | 221 Garden Park Boulevard |
| <b>City of mailing address:</b>               | Cherry Hill               |
| <b>State or Province of mailing address:</b>  | New Jersey                |
| <b>Country of mailing address:</b>            | USA                       |
| <b>Postal or Zip Code of mailing address:</b> | 08002                     |

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| <b>Applicant Authority Type:</b>              | Inventor              |
| <b>Primary Citizenship Country:</b>           | USA                   |
| <b>Status:</b>                                | Full Capacity         |
| <b>Given Name:</b>                            | Lawrence              |
| <b>Middle Name:</b>                           |                       |
| <b>Family Name:</b>                           | KENNEDY               |
| <b>Name Suffix:</b>                           |                       |
| <b>City of Residence:</b>                     | Naperville            |
| <b>State or Province of Residence:</b>        | Illinois              |
| <b>Country of Residence:</b>                  | USA                   |
| <b>Street of mailing address:</b>             | 24306 Turnberry Court |
| <b>City of mailing address:</b>               | Naperville            |
| <b>State or Province of mailing address:</b>  | Illinois              |
| <b>Country of mailing address:</b>            | USA                   |
| <b>Postal or Zip Code of mailing address:</b> | 60564                 |

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| <b>Applicant Authority Type:</b>              | Inventor            |
| <b>Primary Citizenship Country:</b>           | USA                 |
| <b>Status:</b>                                | Full Capacity       |
| <b>Given Name:</b>                            | Alexei              |
| <b>Middle Name:</b>                           |                     |
| <b>Family Name:</b>                           | SAVELIEV            |
| <b>Name Suffix:</b>                           |                     |
| <b>City of Residence:</b>                     | Cary                |
| <b>State or Province of Residence:</b>        | North Carolina      |
| <b>Country of Residence:</b>                  | USA                 |
| <b>Street of mailing address:</b>             | 206 Westbridge Road |
| <b>City of mailing address:</b>               | Cary                |
| <b>State or Province of mailing address:</b>  | North Carolina      |
| <b>Country of mailing address:</b>            | USA                 |
| <b>Postal or Zip Code of mailing address:</b> | 27519               |

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| <b>Applicant Authority Type:</b>              | Inventor                            |
| <b>Primary Citizenship Country:</b>           | RU                                  |
| <b>Status:</b>                                | Full Capacity                       |
| <b>Given Name:</b>                            | Andrey                              |
| <b>Middle Name:</b>                           |                                     |
| <b>Family Name:</b>                           | ROMANETS                            |
| <b>Name Suffix:</b>                           |                                     |
| <b>City of Residence:</b>                     | Morshansk                           |
| <b>State or Province of Residence:</b>        | Tambov Region                       |
| <b>Country of Residence:</b>                  | Russia                              |
| <b>Street of mailing address:</b>             | 28 Krasnaya Ploshad Street, App. 12 |
| <b>City of mailing address:</b>               | Morshansk                           |
| <b>State or Province of mailing address:</b>  | Tambov Region                       |
| <b>Country of mailing address:</b>            | Russia                              |
| <b>Postal or Zip Code of mailing address:</b> | 393950                              |

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| <b>Applicant Authority Type:</b>              | Inventor           |
| <b>Primary Citizenship Country:</b>           | UA                 |
| <b>Status:</b>                                | Full Capacity      |
| <b>Given Name:</b>                            | Igor               |
| <b>Middle Name:</b>                           |                    |
| <b>Family Name:</b>                           | MATVEEV            |
| <b>Name Suffix:</b>                           |                    |
| <b>City of Residence:</b>                     | Falls Church       |
| <b>State or Province of Residence:</b>        | Virginia           |
| <b>Country of Residence:</b>                  | USA                |
| <b>Street of mailing address:</b>             | 7231 Woodley Place |
| <b>City of mailing address:</b>               | Falls Church       |
| <b>State or Province of mailing address:</b>  | Virginia           |
| <b>Country of mailing address:</b>            | USA                |
| <b>Postal or Zip Code of mailing address:</b> | 22046              |

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| <b>Applicant Authority Type:</b>              | Inventor      |
| <b>Primary Citizenship Country:</b>           | USA           |
| <b>Status:</b>                                | Full Capacity |
| <b>Given Name:</b>                            | Kenneth       |
| <b>Middle Name:</b>                           |               |
| <b>Family Name:</b>                           | BLANK         |
| <b>Name Suffix:</b>                           |               |
| <b>City of Residence:</b>                     | Newton        |
| <b>State or Province of Residence:</b>        | Massachusetts |
| <b>Country of Residence:</b>                  | USA           |
| <b>Street of mailing address:</b>             | 71 Donna Road |
| <b>City of mailing address:</b>               | Newtown       |
| <b>State or Province of mailing address:</b>  | Massachusetts |
| <b>Country of mailing address:</b>            | USA           |
| <b>Postal or Zip Code of mailing address:</b> | 02459         |

## Correspondence Information

|                                     |       |
|-------------------------------------|-------|
| <b>Correspondence Customer No.:</b> | 23377 |
|-------------------------------------|-------|

## Representative Information

|                                     |       |
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| <b>Representative Customer No.:</b> | 23377 |
|-------------------------------------|-------|

**Domestic Priority Information**

| <b>Application:</b> | <b>Continuity Type:</b> | <b>Prior Application:</b> | <b>Parent Filing Date:</b> |
|---------------------|-------------------------|---------------------------|----------------------------|
| 10/560,537          | Sec 371 of              | PCT/US2004/019590         | June 18, 2004              |
| PCT/US2004/019590   | Claims benefit of       | 60/480,341                | June 20, 2003              |
| PCT/US2004/019590   | Claims benefit of       | 60/551,725                | March 10, 2004             |

**Foreign Priority Information**

| <b>Country:</b> | <b>Application No.:</b> | <b>Filing Date:</b> | <b>Priority Claimed:</b> |
|-----------------|-------------------------|---------------------|--------------------------|
|                 |                         |                     |                          |

**Assignee Information**

|   |                      |
|---|----------------------|
| <b>Assignee name:</b>                         | Drexel University    |
| <b>Street of mailing address:</b>             | 3141 Chestnut Street |
| <b>City of mailing address:</b>               | Philadelphia         |
| <b>State or Province of mailing address:</b>  | Pennsylvania         |
| <b>Country of mailing address:</b>            | United States        |
| <b>Postal or Zip Code of mailing address:</b> | 19104                |

|   |  |
|---|--|
| <b>Assignee name:</b>                         | The Board Of Trustees Of The University Of Illinois          |
| <b>Street of mailing address:</b>             | 506 South Wright Street<br>352 Henry Administration Building |
| <b>City of mailing address:</b>               | Urbana   |
| <b>State or Province of mailing address:</b>  | Illinois   |
| <b>Country of mailing address:</b>            | United States  |
| <b>Postal or Zip Code of mailing address:</b> | 61801-3640   |

Submitted by:  
 /Thomas W. Dekleva/  
 Thomas W. Dekleva  
 Registration No. 55,104

Date: March 30, 2011